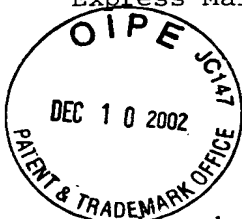


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PATENT TRADEMARK OFFICE



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12/14/02

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of

M. Philipp

Appln. No. 09/445,803

Filed: December 13, 1999

For: SURFACE ANTIGENS AND PROTEINS
USEFUL IN COMPOSITIONS FOR THE
DIAGNOSIS AND PREVENTION OF
LYME DISEASE

Commissioner for Patents
Washington, DC 20231

) Group Art Unit: 1645

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) Examiner: R. Swartz

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RESPONSE AND AMENDMENT

Sir:

This paper is in timely response to the Office Action dated September 18, 2002. Please amend the application as set forth below.

In the Specification

On page 2, delete the paragraph spanning lines 4-18, and replace it with the following paragraph:

--[Publications relating to proteins and polypeptides of *Borrelia burgdorferi* have suggested their use as diagnostic or pharmaceutical agents. Such proteins and polypeptides include outer surface proteins A and B (OspA and OspB), flagellin, and other proteins designated P21, P39, P66, and P83 according to their estimated molecular weights [A. G. Barbour *et al*, Infect. Immun., 45:94-100 (1984); W. J. Simpson *et al*, J. Clin. Microbiol., 28:1329-1337 (1990); K. Hansen *et al*, Infect. Immun., 56:2047-2053 (1988); K. Hansen *et al*, Infect. J. Clin. Microbiol., 26:338-346 (1988); B. Wilske *et al*, Zentral. Bakteriell. Parasitenkd. Infektionshkr. Hyg. Abt. 1 Orig. Reihe. A., 263:92-102 (1986); D. W. Dorward *et al*, J. Clin. Microbiol.,

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